The subject of the invention is a A transparent substrate, especially made of comprises

glass[[,]] and is provided with a thin-film stack eomprising including a plurality of functional

layers, characterized in that said layers. The thin-film stack comprises at least three silver-

based functional layers, in that said layers. The thin-film stack has a resistance $R_{\square} < 1.5 \Omega$

per square. and in that said The transparent substrate may undergo at least one transformation

operation involving a heat treatment at a temperature of at least 500°C, so as to make it

possible to achieve, using the substrate, alternatively or cumulatively, thermal control and/or

electromagnetic shielding and/or heating.

Figure for the abstract: No figure

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